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Hatch et al.

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[54] **MAGNETIC HEAD SUSPENSION ASSEMBLY FABRICATED WITH INTEGRAL LOAD BEAM AND FLEXURE**

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[58] **Field of Search** ..... 360/103, 104

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[57] **ABSTRACT**

A magnetic head suspension assembly is fabricated with an integral piece which includes a load beam section, a flexure section, a rear mount section and a leaf spring section between the load beam and rear mount. A tongue extends from the load beam to the flexure and has a down-facing load dimple which contacts the non-air bearing surface of an attached air bearing slider. The flexure includes narrow thin legs adjacent to a cutout that delineates the load beam tongue. The head suspension is characterized by a high first bending mode frequency and low pitch and roll stiffness.

22 Claims, 7 Drawing Sheets

